○ Construction details

- Deck coverings — SOLAS 60 II/41
- Use of incombustible materials (except Method II) — SOLAS 60 II/48
- Penetration of A and B-Class bulkheads in construction — SOLAS 60 II/49

☐ Main vertical zones — SOLAS 74 II-2/67

∇	• Bulkhead insulating values	SOLAS 48 II/26 SOLAS 48 II/28
◇	• 40 meters • A-Class bulkheads	SOLAS 48 II/28 SOLAS 48 II/30
○	• Bulkheads within MVZs	SOLAS 60 II/37 SOLAS 60 II/39

☐ Openings in main vertical zones — SOLAS 74 II-2/68

- Fire doors — SOLAS 48 II/29
  - Steel — SOLAS 48 II/27
  - Proper closure — SOLAS 60 II/38
- Ducts, trunks — SOLAS 60 II/49
- Pipe, cable penetrations
- Fire dampers — SOLAS 74/78 II-2/41-2.4.1 & 41-2.4.2
- Fire door indicator panel

☐ Draft stops — SOLAS 48 II/40, SOLAS 60 II/49

☐ Separation of accommodation spaces from machinery, cargo, and service spaces — SOLAS 74 II-2/69

- A-Class bulkheads, decks — SOLAS 48 II/31, SOLAS 60 II/40

☐ Protection of vertical stairways — SOLAS 74 II-2/71

- A-Class enclosures — SOLAS 48 II/33, SOLAS 60 II/42
- Fire doors — SOLAS 60 II/53
- Authorized service and stowage areas — SOLAS 74/78 II-2/41-2.4.4

☐ Protection of passenger and service elevators — SOLAS 74 II-2/72

- A-Class enclosures — SOLAS 48 II/34, SOLAS 60 II/43
- A-Class doors
- Shutters

Notes: _____

☐ Protection of control stations — SOLAS 74 II-2/73

- A-Class bulkheads and decks — SOLAS 48 II/35, SOLAS 60 II/44
- Fire control central
- Wheelhouse
- Radio room
- Emergency generator

☐ Protection of storerooms — SOLAS 74 II-2/74

- A-Class enclosures — SOLAS 48 II/36, SOLAS 60 II/45
- Paint and lamp lockers
- Mail and baggage rooms
- Galleys

☐ Engineroom skylights — SOLAS 74 II-2/75

◇ ○	• Glass meets bulkhead integrity requirements	SOLAS 48 II/37 SOLAS 60 II/46

☐ Ventilation systems — SOLAS 74 II-2/76

- 2 remote shutdowns — SOLAS 48 II/38, SOLAS 60 II/47
- Galley exhaust ducts — SOLAS 60 II/53, SOLAS 60 II/54
  - A-Class — SOLAS 60 II/67
  - Grease traps — SOLAS 74/78 II-2/41-2.4.3
  - Fixed fire extinguishing system
  - Shutdown
  - Fire damper

☐ Laundry room ventilation — MSG 021939Z NOV 98

- System clean and clear of potential fire hazards (e.g., lint)
- Adequate cleaning and maintenance program in place

☐ Smoke detection and alarm system — SOLAS 74/78 II-2/41-2.2

- Accommodation spaces
- Service spaces
- Stairway enclosures
- Corridors

Notes: _____

Lifesaving Equipment:

☐ Lifeboats

• Availability	SOLAS 60 III/4
• Hull and fittings	SOLAS 60 III/5
• Capacity	SOLAS 60 III/6 & 7
• Number required	SOLAS 60 III/8, 27, & 35
• Specifications	SOLAS 60 III/9 & 10
• Equipment	SOLAS 60 III/11 & 12
• Radiotelephone	SOLAS 74/78 III/6.2
• Searchlights	SOLAS 60 III/14
• Operating instructions	SOLAS 74/78 III/9
• Manning	SOLAS 74/78 III/10
• Marking	SOLAS 60 III/20
• Retro-reflective tape	SOLAS 74/78 III/30
• Embarkation	SOLAS 60 III/19
• Davits, falls, winches, and stowage	SOLAS 60 III/28, 29, 36
• Falls renewed / end-for-end	SOLAS 74/78 III/19

☐ Liferafts

• Availability	SOLAS 60 III/4
• Number required	SOLAS 60 III/27 & 35
• Specifications	SOLAS 60 III/15 & 16
• Equipment	SOLAS 60 III/17
• Embarkation	SOLAS 60 III/19
• Marking	SOLAS 60 III/20
• Operating instructions	SOLAS 74/78 III/9
• Manning	SOLAS 74/78 III/10
• Retro-reflective tape	SOLAS 74/78 III/30
• Stowage	SOLAS 60 III/29
• Servicing	SOLAS 74/78 III/19

☐ Buoyant apparatus

• Availability	SOLAS 60 III/4
• Number required	SOLAS 60 III/27
• Stowage	SOLAS 60 III/29
• Specifications	SOLAS 60 III/33

Notes: _____

☐ International shore connection — SOLAS 74 II-2/81

◇ Fixed system for engineroom and cargo spaces — SOLAS 48 II/47, SOLAS 48 II/50

- Alarms
- Piping
- Controls
- Markings

○ Fixed system for engineroom and cargo spaces — SOLAS 60 II/62, SOLAS 60 II/64

- Alarms
- Piping
- Controls
- Markings

☐ Automatic sprinkler system installed — SOLAS 74/78 II-2/41-2.5

- Accommodations spaces
- Service spaces
- Stairway enclosures
- Corridors

☐ General emergency alarm — SOLAS 74/78 II-2/41-2.4.8

- Audible throughout accommodation spaces, crew working spaces, and open decks
- Sounds continuously until MANUALLY shut off

☐ Means of escape — SOLAS 74 II-2/83, SOLAS 60 II/68

- Adequate
- Fire-resistant bulkheads
- Not blocked by furniture — SOLAS 74/78 II-2/41-2.4.10
- Low-location lighting — SOLAS 74/78 II-2/41-2.4.7
  - No more than 1 foot above deck
  - Signs and equipment marked
  - Inspected and logged weekly

Notes: _____

☐ Accident prevention and occupational health — COMDTINST 16711.12A, ILO 147
- Rails, guards, protective clothing and equipment, warning signs posted in crew work areas

☐ Crew accommodations — COMDTINST 16711.12A, ILO 147
- Habitable conditions
- Adequate lighting and ventilation
- Free of cargo and stores
- Individual berths

☐ Hospital space — COMDTINST 16711.12A, ILO 147
- Designated for ships ≥ 500 GT with 15 or more crew on voyage of more than 3 days
- Not used for stowage or berthing
- Properly operating toilet
- Medicine chest or doctor

☐ Galley — COMDTINST 16711.12A, ILO 147
- Sanitary conditions
- Hot and cold-running water
- Adequately equipped to prepare food
- Mess hall provided for crew

☐ Refrigerator and stores spaces — COMDTINST 16711.12A, ILO 147
- Storage free of insects

☐ Sanitation — COMDTINST 16711.12A, ILO 147
- Toilets working (1/8 crew)
- Showers operate (1/8 crew)
- Wash basins
- Lighted / heated / ventilated

☐ General safety — COMDTINST 16711.12A, ILO 147
- Safe access to all spaces
- Spaces adequately lighted
- No electrical hazards
- Warning notices posted as necessary

Notes: _____

☐ Emergency source of power — SOLAS 74/78 II-2/84, SOLAS 48 II/22, SOLAS 60 II/25
- Location
- Emergency lighting
- Generator and/or batteries tested under load

☐ General safety — SOLAS 48 II/23, SOLAS 48 II/24, SOLAS 60 II/27
- Guards and mats for switchboards
- Battery storage

Pollution Prevention:

☐ Pollution placard posted — 33 CFR 155.450

☐ MARPOL V placard posted — MARPOL Ax. V/9

☐ Garbage — 33 CFR 151.63, MARPOL Ax. V/3
- Shipboard garbage properly disposed
- No plastics or synthetics discharged overboard
- Garbage Management Plan — MARPOL Ax. V/9

☐ Standard discharge connection — MARPOL Ax. I/18, 33 CFR 155.430

☐ Cargo oil containment — 33 CFR 155.310
- Size
- Drains
- Scupper closures

☐ Fuel oil containment — 33 CFR 155.320
- Portable
- Fixed

☐ Prohibited oil spaces — 33 CFR 155.470

☐ Deck lighting — 33 CFR 155.790

Notes: _____

☐ Indicators • Illuminated rudder angle indicator • Centerline RPM indicator • Propeller pitch (CPP systems) • Speed and distance indicator • Lateral thrusters	33 CFR 164.35 33 CFR 164.40	
☐ Steering gear instructions • Instructions • Emergency instructions • Block diagram	33 CFR 164.35	
☐ Emergency steering station • Compass repeaters • Communications	33 CFR 164.35	
☐ Maneuvering facts sheet with warning statement	33 CFR 164.35	
☐ EPIRB (406 MHz) • Float-free amount • Battery date current • Hydrostatic release	SOLAS 74/78 IV/7.1.6	
☐ Communications • VHF radio	SOLAS 74/78 IV/6.3 33 CFR 26.03	
☐ Navigation bridge radio distress panels • PSS Certificate endorsed	SOLAS 74/78 IV/6.4 SOLAS 74/78 IV/6.5 SOLAS 74/78 IV/6.6	
☐ 2-way SAR aircraft radio • Located on navigation bridge • Capable of utilizing 121.5 and 123.1 MHz	SOLAS 74/78 IV/7.5	
☐ Radiocommunication personnel • Qualified person assigned only to radiocommunication duties during distress incidents	SOLAS 74/78 IV/16.2	

Notes: _____

Section 4: Drills

☐ **Fire Drill:**

Initial notifications	Familiarity with duties	Space isolation
General alarms / signals	Familiarity with equipment	Smoke control
Crew response	Fire pumps started	Arrange care of passengers
Properly dressed / equipped	Two jets of water	Communications w/ bridge
Language understood by crew	Fire doors and dampers	

(SOLAS 74/78 III/18.3; MSM Vol. II/22.C.7.i; NVIC 6-91)

Location: _____ Time on Scene: _____

Notes: _____

☐ Vessel / Coast Guard SAR plan — SOLAS 74/78 V/15

- Approved
  - Yes
  - No

☐ Operations limitations manual — SOLAS 74/78 V/23

Pollution Prevention Records:

☐ Current pollution prevention records
- Person-in-charge — 33 CFR 155.700
- Transfer equipment tests and inspections — 33 CFR 156.170
- Declaration of Inspection — 33 CFR 156.150

☐ Oil record book (Part 1) (spot-check) — MARPOL Ax. I/20, 33 CFR 151.25
- Each operation signed by person-in-charge
- Each complete page signed by master
- Book maintained for 3 years

☐ Shipboard oil pollution emergency plan — MARPOL Ax. I/26.1, 33 CFR 151.26
- Approved by flag state / class society
- Contact numbers correct
- Immediate Actions List

☐ Oil transfer procedures — 33 CFR 155.720
- Posted / available in crew's language
- List of products carried by vessel
- Description of transfer system including a line diagram of piping
- Number of persons required on duty
- Duties by title of each person
- Means of communication
- Procedures to top off tanks
- Procedures to report oil discharges

Notes: _____

Section 5: Appendices

Recommended Port State Control Procedures:

The following flowcharts contain information gleaned from the Marine Safety Manual Volume II, Chapter 24. The senior marine inspector/port state control officer should be familiar with this chapter as well as the information pertaining to Port State Control examinations contained in MSM Volume II, Chapters 19—Foreign Vessel Exams (General), 20—Foreign Vessel Exams (Passenger), and 23—Targeting of Foreign Vessel Boardings.

Considering the seriousness of the deficiencies, the OCMI or COTP must determine the appropriate control action to impose on these vessels to ensure the safety of the vessel, the port, and the environment. The degree of control imposed, as well as the authority used to exercise control, must be consistent with the nature of the deficiencies.

The following definitions and terms of reference are used in the MSM to describe key elements of Port State Control enforcement:

Clear Grounds. Evidence that the vessel, its equipment, or crew do not correspond substantially to the requirements of the relevant conventions or that the master or crew members are not familiar with essential shipboard procedures relating to the safety of vessels or the prevention of pollution.

Control. Control is the process of imposing a port state's or flag state's authority over a vessel to ensure that its structure, equipment, operation and crew meet applicable standards. The process is affected by any verbal or written directives from the OCMI/COTPs or their representatives, which require action or compliance by the vessel.

Detention. Detention is a control action that restricts a vessel's right of free movement. The imposition of a restriction on the movement of a vessel constitutes a detention regardless of whether or not a delay from a vessel's normal or expected itinerary occurs. Detentions may be carried out under the authority of the applicable international convention, the Ports and Waterways Safety Act (PWSA) or a Customs hold.

Intervention. An intervention is a control action taken by a port state, which interposes the port state's authority over a foreign flag vessel in order to cause the vessel to be brought into compliance with an applicable international convention. Interventions are undertaken by a port state when a vessel's flag state has not, can not, or will not exercise its obligations under an international convention to which it is a party. This may include requesting appropriate information, requiring the immediate or future rectification of deficiencies, detaining the vessel, or allowing the vessel to proceed to another port for repairs.

Manning Certification:

- ☐ Safe Manning Document — SOLAS 74/78 V/13, IMO Res.A.481(XII)
  - Manning in accordance with document
    NOTE: *If vessel does not have a Safe Manning Document or is not manned in accordance with Safe Manning Document, local Consulate must be contacted and the deficiency resolved prior to vessel's departure from port.*
  - Review copy of crew list
- ☐ Officers' certificates — STCW 95 I/2, STCW 95 I/10, STCW 95 VI/1, STCW 95 VI/2
  - Master and chief engineer licenses current
  - Navigating and engineering officers' licenses current; ***NOTE:*** *3000 kW = 4023 hp*
  - Flag endorsement
  - Medical certificates
- ☐ Crew documents — STCW 95 VI/1
  - Documents current
  - Medical certificates valid (issued by flag state)
  - Minimum age 15 — ILO 147 Art. II
- ☐ Rest periods — STCW 95 VIII/1
  - Review watch schedules

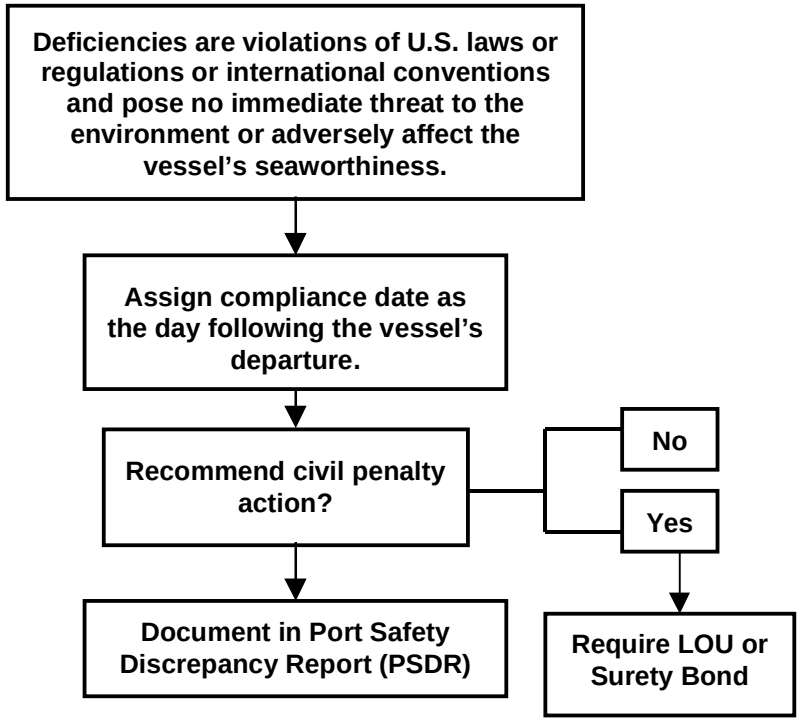
Logs and Manuals:

- ☐ Lifesaving equipment maintenance record — SOLAS 74/78 III/19
  - Periodic checks as required
  - Visual inspection of survival craft / rescue boat and launching appliances
  - Operation of lifeboat / rescue boat engines
  - Lifesaving appliances, including lifeboat equipment examined
- ☐ Emergency training and drills — SOLAS 74/78 III/18
  - Onboard training in use of lifesaving equipment (all crew members)
  - SOLAS training manual
  - Logbook records — SOLAS 74/78 III/18.5
  - Weekly and lifeboat drills — SOLAS 74/78 III/25

Notes: _____

Requiring Corrective Measures Prior to Return to U.S.

(NO DETENTION)



Examples include the following:

- Charts or nautical publications not currently corrected.
- Portable hoses have not been tested but appear in good condition.
- Actual location of safety equipment deviates from the vessel safety plan.
- Electrical fixtures in paint locker not appropriately certified for safe usage in hazardous location. (Operational controls, such as disconnecting the electrical power source or removing flammables from the space, may satisfactorily remove risk to vessel.)

Section 2: Certificates and Documents

International Certificates:

Name of Certificate	Issuing Agency	ID #	Port Issued	Issue Date	Exp. Date	Endors. Date
Certificate of Registry No Change						
Classification Document No Change						
Certificate of Financial Responsibility (COFR) No Change	USCG					
Passenger Ship Safety (PSS) No Change						
International Load Line (ILL) No Change						
International Oil Pollution Prevention (IOPP) No Change						

Requiring Corrective Measures Prior to Departure

(DETENTION)

Examples include the following:

- Excessive wastage, corrosion, pitting, holes, or damage to the hull, cargo hatches, fire main, or other vital system.
- Inoperable emergency fire pump or emergency generator.
- Inability to lower lifeboats.
- Inoperable lifeboat motors (i.e., will not start).
- Crew incompetent to carry out duties (e.g., fire or boat drills, cargo transfer, stability calculations, etc.).
- Licenses invalid.
- Safe Manning Document not on board.

Involved Parties & General Information:

Owner's Agent
Individual
Phone Number

Charterer's Agent
Individual
Phone Number Same as Owner's Agent

Owner—Listed on DOC or COFR
No Change

Operator
No Change

Detention Information:

NOTE: *Complete prior to recommendation.*

Verify owner (from DOC or COFR), operator, and mailing address.

Verify owner's agent.

Verify last and future drydock dates and locations.

If dual classed, who will respond? _____

Which agency issued the documents that have major problems?

What is the date of the last survey conducted for those items that have problems?

What are the vessel's plans to deal with the problems?

What is the crew's attitude toward the problems?

Is the detention ISM related? If so, include ISM certification information in the Detention Report to G-MOC-4.

Notes: _____

Table of Contents:

Notes:

Total Time Spent Per Activity:

Regular Personnel (Active Duty)			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS

Reserve Personnel			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS

Auxiliary Resources	
TOTAL BOAT HOURS	TOTAL AIRCRAFT HOURS

Conversions:

Distance and Energy				
Kilowatts (kW)	X	1.341	=	Horsepower (hp)
Feet (ft)	X	3.281	=	Meters (m)
Long Ton (LT)	X	.98421	=	Metric Ton (t)

Liquid (***NOTE:*** *Values are approximate.)*

Liquid	bbl/LT	m^3/t	bbl/m^3	bbl/t
Freshwater	6.40	1.00	6.29	6.29
Saltwater	6.24	.975	6.13	5.98
Heavy Oil	6.77	1.06	6.66	7.06
DFM	6.60	1.19	7.48	8.91
Lube Oil	7.66	1.20	7.54	9.05

Weight

1 Long Ton	=	2240 lbs	1 Metric Ton	=	2204 lbs
1 Short Ton	=	2000 lbs	1 Cubic Foot	=	7.48 gal
1 Barrel (oil)	=	5.61 ft = 42 gal = 6.29 m^3	1 psi	=	.06895 Bar = 2.3106 ft of water

Temperature: Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F – 32))

0	=	-17.8	80	=	26.7	200	=	93.3
32	=	0	90	=	32.2	250	=	121.1
40	=	4.4	100	=	37.8	300	=	148.9
50	=	10.0	110	=	43.3	400	=	204.4
60	=	15.6	120	=	48.9	500	=	260
70	=	21.1	150	=	65.6	1000	=	537.8

Pressure: Bars = Pounds per square inch

1 Bar	=	14.5 psi	5 Bars	=	72.5 psi	9 Bars	=	130.5 psi
2 bars	=	29.0 psi	6 Bars	=	87.0 psi	10 Bars	=	145.0 psi
3 Bars	=	43.5 psi	7 Bars	=	101.5 psi			
4 Bars	=	58.0 psi	8 Bars	=	116.0 psi			